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## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## COMMUNICATION INTERFACE BETWEEN DISSIMILAR PORTS AVOIDING LEVEL TRANSLATION

the specification of which (check one) X is attached hereto or        was filed on        as Application No.        and was amended on        (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed Yes <input type="checkbox"/> No <input type="checkbox"/>	
Number	Country	Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

Application Number	Filing Date
Application Number	Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status: Patented, Pending, Abandoned
Application Number	Filing Date	Status: Patented, Pending, Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor STEVEN J. GOLDMAN

Inventor's signature Steven J. Goldman

1/14/98  
Date

Residence 5451 Geddes Way, Pipersville, PA, 18947

Citizenship U.S.A.

Post Office Address 5451 Geddes Way, Pipersville, PA 18947

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
APPLICATION FOR UNITED STATES PATENT

In re Patent Application of ) Group Art Unit: 2816  
 STEVEN J. GOLDMAN )  
 Appln. No. 09/483,628 ) POWER OF ATTORNEY BY ASSIGNEE AND  
 ) ESTABLISHMENT OF RIGHT OF ASSIGNEE  
 ) TO PROSECUTE UNDER 37 C.F.R. §3.73(b)  
 Filed: January 14, 2000 )  
 For: COMMUNICATION INTERFACE BETWEEN )  
 DISSIMILAR PORTS AVOIDING LEVEL )  
 TRANSLATION )

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MAY 10 2000

LIMBACH &amp; LIMBACH

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

NATIONAL SEMICONDUCTOR CORPORATION, assignee of the entire right title and interest in the above-identified application by assignment dated January 14, 2000, which assignment is recorded in the Patent and Trademark Office at Reel 010509, Frame 0265, or a copy of which is submitted herewith, hereby appoints the members of the firm of LIMBACH & LIMBACH L.L.P., a firm composed of

Karl A. Limbach	18,689	Stephen M. Everett	30,050	Kyla L. Harrel	41,816
George C. Limbach	19,305	Alfred A. Equitz	30,922	Mayumi Maeda	40,075
John K. Uilkema	20,282	Charles P. Sammut	28,901	Kent J. Tobin	38,496
Neil A. Smith	25,441	Mark C. Pickering	36,239	Michael R. Ward	38,651
Veronica C. Devitt	29,375	Patricia Coleman James	37,155	Roger S. Sampson	44,314
Ronald L. Yin	27,607	Kathleen A. Frost	37,326	Charles L. Hamilton	42,624
Gerald T. Sekimura	30,103	Alan A. Limbach	39,749	Andrew V. Smith	43,132
Michael A. Stallman	29,444	Douglas C. Limbach	35,249	Eric N. Hoover	37,355
Philip A. Girard	28,848	Seong-Kun Oh*		J. Thomas McCarthy	22,420
Michael J. Pollock	29,098	Cameron A. King	41,897	Joel G. Ackerman	24,307

\* Recognition under 37 CFR §0.9(t)

2001 Ferry Building, San Francisco, CA 94111, (415) 433-4150, FAX (415) 433-8716, and the following members of the National Semiconductor Corporation Intellectual Property Department:

Eugene Conser	39,149	Allen Tremain	40,207	Christopher J. Byrne	32,204
Coleman Reif	38,593	Chad Walsh	43,235		

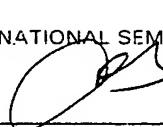
as its attorneys/agents with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

LIMBACH & LIMBACH L.L.P.  
Attn: Kent J. Tobin  
2001 Ferry Building  
San Francisco, CA 94111  
Telephone: (415) 433-4150  
Facsimile: (415) 433-8716

NATIONAL SEMICONDUCTOR CORPORATION

Dated: 5/8/00

By: 

Name: Chris J. Byrne

Title: Director of Intellectual Property and Technology Licensing



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 06, 2000

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KENT J. TOBIN  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/14/2000

REEL/FRAME: 010509/0265  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GOLDMAN, STEVEN J.

DOC DATE: 01/14/2000

ASSIGNEE:

NATIONAL SEMICONDUCTOR CORPORATION  
M/S D3-579  
2900 SEMICONDUCTOR DRIVE  
SANTA CLARA, CALIFORNIA 95051-8090

SERIAL NUMBER: 09483628

PATENT NUMBER:

FILING DATE: JANUARY 14, 2000  
ISSUE DATE:

MAYA BENNETT, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

MRD

1-14-00

FORM PTO-1595  
1-31-92

EXPRESS MAIL: F

02-02-2000

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Commissioner of Patents and Trademarks

1. Name of conveying party(ies):  
STEVEN J. GOLDMAN

Additional name(s) of conveying party(ies) attached?

 Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: January 14, 2000Name: NATIONAL SEMICONDUCTOR CORPORATIONInternal Address: M/S 03-579Street Address: 2900 Semiconductor DriveCity, State and Zip: Santa Clara, CA 95051-8090

Additional Name(s) &amp; address(es) attached?

 Yes  No

4. Application number(s) or patent number(s):

09/483628

If this document is being filed together with a new application, the execution date of the application is: 01/14/2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kent J. Tobin

Internal Address: Limbach & Limbach L.L.P.  
 Street Address: 2001 Ferry Building  
 City, State, ZIP: San Francisco, California 94111  
 Telephone: (415) 433-4150  
 Facsimile: (415) 433-8716

Attorney Docket No. NSC1-G0800 [P04233]

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kent J. Tobin, Reg. No. 39,496  
Name of Person Signing

Signature

1/14/2000  
Date

Total number of pages including cover sheet, attachments and document: 2

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01/31/2000 NVILLARI 00000017 09483628

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EXPRESS MAIL: EL387308855US

Act. y Doctor No NSCI-G0500 (P04231)

ASSIGNMENT

WHEREAS, I, STEVEN J. GOLDMAN, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: COMMUNICATION INTERFACE BETWEEN DISSIMILAR PORTS AVOIDING LEVEL TRANSLATION

Application Execution Date: \_\_\_\_\_ Filing Date: \_\_\_\_\_

Application No.: ;

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8099, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

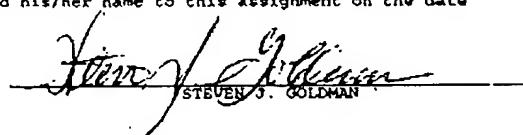
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable considerations, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignor further agrees that he will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

I hereby authorize and request my attorney, Kent J. Tobin, of Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, California 94111-4262, to insert here in parentheses (application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Dated: 1/14/98

  
STEVEN J. GOLDMAN

State of Pennsylvania

County of Bucks

On \_\_\_\_\_ before me, \_\_\_\_\_ personally appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL